In the Drawings

The Applicants have amended FIG. 2 to change reference number "102" to - - 102A - -.
An amended FIG. 2 is included with this response.

In the Claims

Please cancel claims 1-107 without prejudice.

Please add the following claims 108-127 that are provided below.

108. (New) A communication system, comprising:

a plurality of signaling processors, wherein each of the signaling processors includes a call processing table and each of the signaling processors is configured to receive signaling, process the signaling based on the call processing table to select an identifier for routing a call, and transmit a control message identifying the selected identifier;

a plurality of connection systems configured to receive user communications for calls, receive control messages that include identifies for routing the calls, and interwork the user communications based on the identifiers in the control messages; and
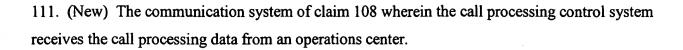
a call processing control system coupled to the signaling processors and configured to receive call processing data and update the call processing tables in the signaling processors based on the call processing data.

109. (New) The communication system of claim 108 wherein the call processing control system comprises:

a human machine interface configured to provide an interface for an operator to enter the call processing data to adjust the call processing tables.

110. (New) The communication system of claim 109 wherein the call processing control system comprises:

a user security configuration system configured to allow selected operators to enter the call processing data to update the call processing tables.

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111. (New) The communication system of claim 108 wherein the call processing control system receives the call processing data from an operations center.

112. (New) The communication system of claim 108 wherein the call processing control system comprises:

a regional craft view system configured to allow an operations center to view configurations of the signaling processors.

113. (New) The communication system of claim 108 wherein the call processing tables include a called number table.

114. (New) The communication system of claim 108 wherein the call processing tables include a routing table.

115. (New) The communication system of claim 108 wherein the call processing tables include an automatic number identification table.

116. (New) The communication system of claim 108 wherein the connection systems are configured to interwork the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections based on the identifiers in the control messages.

117. (New) The communication system of claim 108 wherein the connection systems are configured to interwork the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections based on the identifiers in the control messages.

118. (New) A method of operating a communication system comprising a plurality of signaling processors, a plurality of connection systems, and a call processing control system, the method comprising:

in each of the signaling processors, receiving signaling, processing the signaling based on a call processing table to select an identifier for routing a call, and transmitting a control message identifying the selected identifier;

in the plurality of connection systems, receiving user communications for calls, receiving control messages that include identifies for routing the calls, and interworking the user communications based on the identifiers in the control messages; and

in the call processing control system, receiving call processing data and updating the call processing tables in the signaling processors based on the call processing data.

119. (New) The method of claim 118 wherein the call processing control system further comprises a human machine interface, the method further comprising:

in the human machine interface, providing an interface for an operator to enter the call processing data to adjust the call processing tables.

120. (New) The method of claim 119 wherein the call processing control system further comprises a user security configuration system, the method further comprising:

in the user security configuration system, allowing selected operators to enter the call processing data to update the call processing tables.

121. (New) The method of claim 118 wherein receiving the call processing data comprises:

receiving the call processing data from an operations center.

122. (New) The method of claim 118 wherein the call processing system further comprises a regional craft view system, the method further comprising:

in the regional craft view system, allowing an operations center to view configurations of the signaling processors.

123. (New) The method of claim 118 wherein the call processing tables include a called number table.

124. (New) The method of claim 118 wherein the call processing tables include a routing table.

125. (New) The method of claim 118 wherein the call processing tables include an automatic number identification table.

126. (New) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections based on the identifiers in the control messages.

127. (New) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections based on the identifiers in the control messages.

(Response to 5/23/2002 Office Action)